

Missouri General Water Quality Certification for NWP 14, Linear Transportation Crossings

1. This certification does not authorize the filling of a spring.
2. Culverts authorized as part of the project by this permit shall not exceed the width of the roadbed. Impacts beyond the width of the culvert, including channel modifications, shall not extend beyond 50 feet on either side of the culvert because of cumulative impacts to watersheds, including flooding, bank instability, loss of aquatic habitat (pool and riffle complexes), bed degradation, loss of stormwater retention and loss of riparian areas.
3. For purposes of this certification, channel modifications are any activities that alter the width, depth, length and/or sinuosity of a waterway. This would include, but is not limited to, moving, shortening, cutting off, straightening, widening or modifying the cross section of or fills in a stream channel, whether natural or previously altered.
4. This certification does not authorize in-stream storm water detention structures.
5. Where this nationwide is used to authorize bridge structures, stream channel work is limited to a maximum of 50 feet upstream of the bridge and a maximum of 50 feet downstream of the bridge.
6. There shall be no net loss of stream or river aquatic habitat for any project that permanently impacts and/or destroys aquatic habitat.
7. The area reserved as the mitigation/avoidance corridor shall have a permanent conservation restriction. The restriction covering this tract shall reserve this area for aquatic habitat protection and wildlife purposes exclusively, and shall be filed and recorded as a deed restriction on the property in perpetuity.
8. Instream culverts shall be sized and placed to maintain at least 6 inches of water during average annual discharges. Structures creating water velocities in excess of 2 feet per second during average annual discharge shall be avoided. There shall be no drop between the downstream end of the culverts and the downstream water surface elevation.
9. When repairing or replacing low water crossings the elevations of the crossing and approaches shall not be increased without specific written authorization. Removal of the old material may be necessary to avoid raising the elevations.
10. The permit shall not authorize the removal of accumulated gravel upstream of a bridge or crossing.
11. Stream crossings shall be designed so that they do not create drops/dams or create other impediments to fish passage.
12. The stream bed gradient shall not be altered during project construction.
13. Care shall be taken to keep machinery out of the waterway as much as possible.

14. Clearing of vegetation/trees shall be the minimum necessary to accomplish the activity.
15. Fuel, oil, other petroleum products, equipment and any solid waste shall not be stored below the ordinary high water mark at any time or in the adjacent floodway beyond normal working hours.
16. Petroleum products spilled into any waterbody or on the banks where the material may enter waters of the state shall be immediately cleaned up and disposed of properly.
17. The riparian area, banks, etc., shall be restored to a stable condition to protect water quality as soon as possible. Seeding, mulching and needed fertilization shall be within 3 days of final contouring. On-site inspections of these areas shall be conducted as necessary to ensure successful revegetation and stabilization, and to ensure that erosion and deposition of soil in waters of the state is not occurring from this project.
18. Only clean nonpolluting fill shall be used.
19. Work shall be conducted during low flow whenever possible.
20. The following are not suitable as bank stabilization materials and shall not be used: earthen fill, gravel, broken concrete where the majority of material is less than 12 inches in diameter, concrete with exposed rebar, asphalt, tires, vehicles or vehicle bodies, construction or demolition debris or liquid concrete, including grouted riprap.
21. Any land disturbance activities disturbing 5 or more acres of total area for the entire project requires a storm water permit from the Water Pollution Control Program (WPCP) for land disturbance activities. Note that this is 5 acres of area disturbed for the total project, not 5 acres of waters of the United States. In this regard, please contact the WPCP at (573) 751-6825.
22. This water quality certification is not valid for any Section 404 permit issued on a water listed as impaired pursuant to Section 303(d) for contaminants that are involved in the permitted activity, including but not limited to, sediment, flow alteration, nutrient enrichment, suspended solids, habitat destruction, temperature and dissolved oxygen or if the activities are located in or occurs within 2 miles upstream of a designated outstanding state or national resource area (10 CSR 20-7.031).